

Abstract

An electroluminescent phosphor comprising particles of a phosphor and particles of an electron-emitting material not originating from atoms constituting the host material of the phosphor and an activator. The particles of the electron-emitting material is contained inside the phosphor particles or included between the phosphor particles in close contact with the phosphor particles. An electroluminescent element has a light emitting layer containing the electroluminescent phosphor. Another electroluminescent element has a light emitting layer containing particles of a phosphor and particles of an electron-emitting material composed of a conductive compound not originating from the atoms constituting the host material of the phosphor and the activator. The proportion of the electron-emitting material to the light emitting layer is 1-75 weight%. A high-luminous efficiency and high-luminance electroluminescent element can be produced.